

GEOL 1010 Geology and Man (3-0-3)

Course Maximum Enrollment: 25

Special Facility or Equipment Needs/Safety Rules and Issues: None

Lab Fee: None

Course Description: Exploration of the origin of Earth materials, structures, and land forms. An emphasis is placed on scientific methods important to understanding the Earth.

Pre- and Co-requisites: Eligibility for ENGL 1010

Texts and Readings: The Changing Earth, by Wicander & Monroe. Thomson Brooks/Cole Publishing, 2006.

Course Goal: The goal of the course is to help the student understand and apply scientific principles in the pursuit of knowledge of the origin of Earth's materials, their shape, structure and different landforms produced over time. One focus of the course is to help students recognize man's relationship with the Earth processes.

Course Objectives:

The student should be able to understand the physical processes that shape the earth and apply this knowledge to present day concerns.

The student should be able to understand the natural physical processes, which created the landforms man utilizes to his benefit.

The student should be able to understand how man's activities impinge on the Earth's natural processes.

Course Content:

Week One	Understanding the Earth: Introduction
Week Two	Minerals, Igneous Rock
Week Three	Volcanoes
Week Four	Weathering, Soils and Sedimentary Rocks
Week Five	Mass Wasting
Week Six	Metamorphic Rocks
Week Seven	Earthquakes
Week Eight	Plate Tectonics
Week Nine	Deformation, Mountain Building
Week Ten	The Continents
Week Eleven	Running Water and Groundwater

Week Twelve	Glaciers and Glaciation
Week Thirteen	Work of Wind and Desert
Week Fourteen	Shorelines
Week Fifteen	Search for Natural Resources

Assessment:

Examinations (mix of subjective and objective components): 200 points

Final comprehensive examination 200 points

Research paper/project 100 points

Total: 500 points

Reading and Writing Across the Curriculum: The reading and writing components of these aforementioned assessments satisfies the Reading and Writing Across the Curriculum requirement as stipulated in SLCC's academic policy.

Grading and Absence Policy: Grading Scale: 100-90 = A; 89-80 = B; 79-70 = C; 69-60 = D; 59-0 = F. Students who miss 10% of class meetings will be advised to see a counselor. Students who merely stop attending and chose not to withdraw will earn an "F" for the course.

Students with Disabilities: Students with a disability requiring assistance or accommodation, such as for testing, note takers, readers, etc., should contact the instructor as soon as possible. Students may also contact the dean of Students with questions about such services.

Emergency Evacuation Procedure: A map of this floor is posted in the front of this building. The map marks the evacuation route and the Designated Rescue Area. This area is where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Students who may need assistance should identify themselves to the teaching faculty.